

=> fil reg

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STRUCTURE FILE UPDATES: 16 FEB 2005 HIGHEST RN 832673-31-1  
DICTIONARY FILE UPDATES: 16 FEB 2005 HIGHEST RN 832673-31-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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Experimental and calculated property data are now available. For more  
information enter HELP PROP at an arrow prompt in the file or refer  
to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d que 13

~~L3~~ 2- SEA FILE=REGISTRY ABB=ON ^C..C...C.{10-12}C...C...C^Y^ [YF]..C.  
..C.{10-12}C...C...[YF]^C...C.{10-12}C...C^/SQSP or

=> ~~d sqide=1=2~~

L3 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN

RN 402476-67-9 REGISTRY

CN L-Cysteine, L-cysteinyl-L-alanyl-L-arginyl-L-alanyl-L-cysteinyl-L-  
isoleucyl-L-alanyl-L-alanyl-L-arginylglycyl-L-alanyl-L-arginyl-L-alanyl-L-  
threonyl-L-isoleucyl-L-cysteinyl-L-alanyl-L-arginyl-L-alanyl- (9CI) (CA  
INDEX NAME)

OTHER NAMES:

CN 18: PN: WO0218433 PAGE: 10 unclaimed sequence

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 20

PATENT ANNOTATIONS (PNTE):

Sequence |Patent

Source |Reference

=====+=====

Not Given|WO2002018433

|unclaimed

|PAGE 10

SEQ 1 CARACIAARG ARATICARAC

=====

HITS AT: 1-20

MF C78 H142 N32 O22 S4

SR CA

LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA CAplus document type: Patent

RL.P Roles from patents: PRP (Properties)

Absolute stereochemistry.

*marks beginning or end of sequence*  
*• = any amino acid*

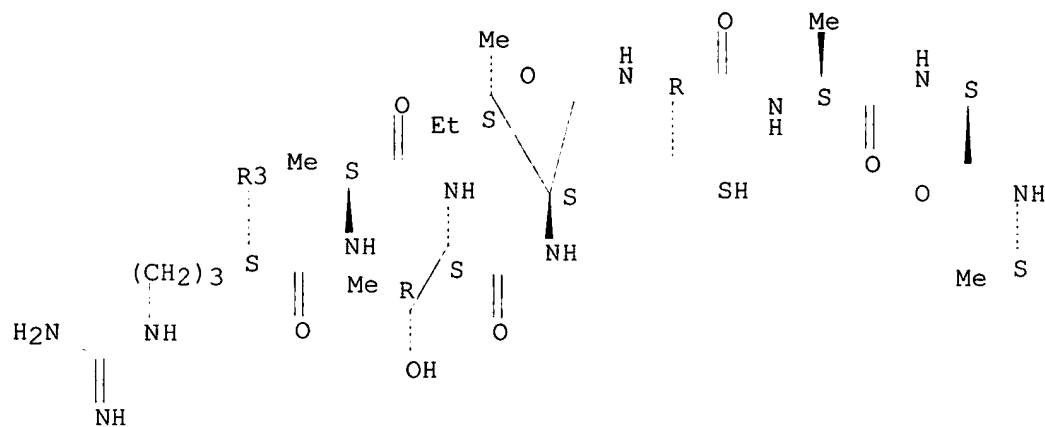
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*or motif 3*

*"consisting"*  
*not*

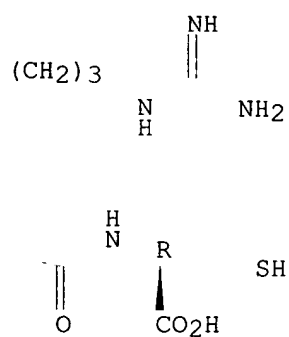
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*(i.e. no extraneous*  
*amino acids at*  
*either end)*

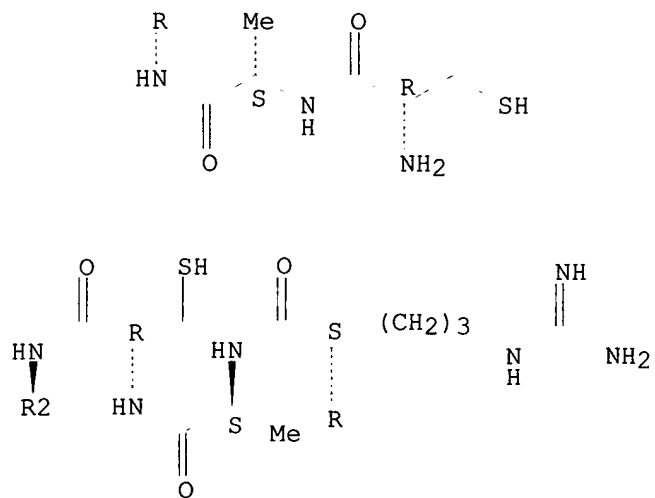
PAGE 1-A



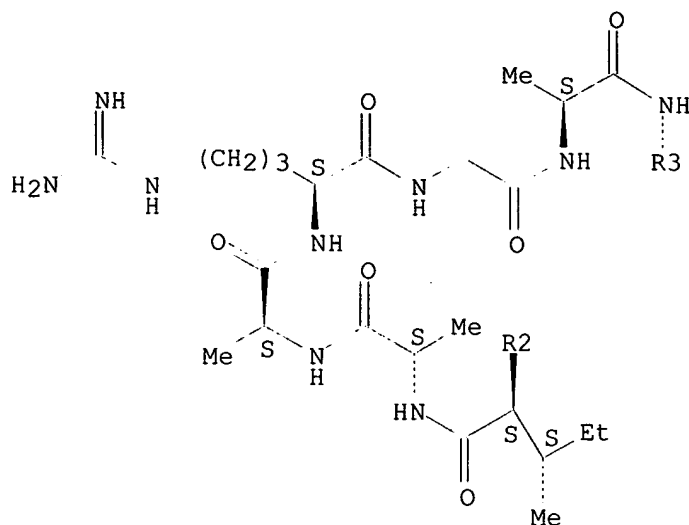
PAGE 1-B



PAGE 2-A



PAGE 3-A



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L3 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN

RN ~~383416-88-4~~ REGISTRY

CN L-Cysteine, L-cysteinyl-L-arginyl-L-leucylglycyl-L-cysteinyl-L-threonyl-L-tyrosylglycyl-L-phenylalanyl-L-lysyl-L-threonyl-L- $\alpha$ -aspartyl-L-lysyl-L-lysylglycyl-L-cysteinyl-L- $\alpha$ -glutamyl-L-alanyl-L-phenylalanyl-(9CI) (CA INDEX NAME)

OTHER NAMES:

CN 76: PN: WO0198365 SEQID: 113 claimed sequence

FS PROTEIN SEQUENCE; STEREOSEARCH

SQL 20

PATENT ANNOTATIONS (PNTE):

Sequence |Patent

Source |Reference

=====+=====

Not Given|WO2001098365

|claimed

|SEQID 113

SEQ 1 CRLGCTYGFK TDKKGCEAFC

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HITS AT: 1-20

MF C95 H148 N26 O28 S4

SR CA

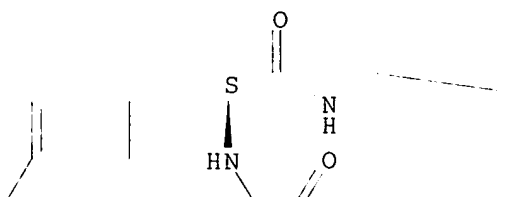
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

DT.CA Caplus document type: Patent

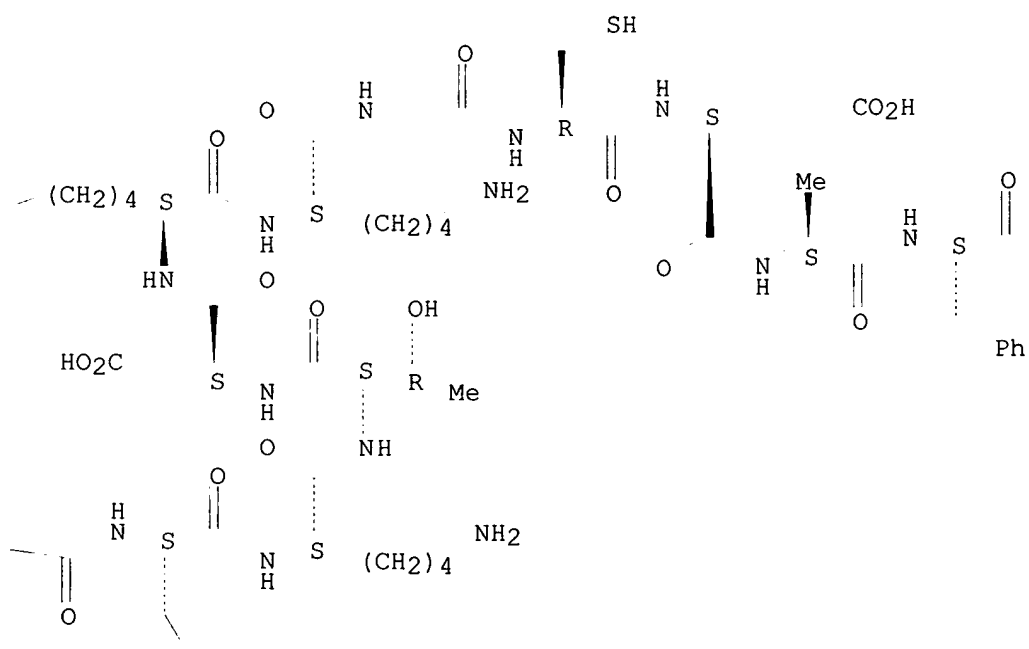
RL.P Roles from patents: BIOL (Biological study); PRP (Properties); USES (Uses)

Absolute stereochemistry.

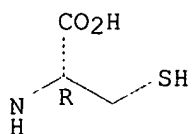
PAGE 1-A

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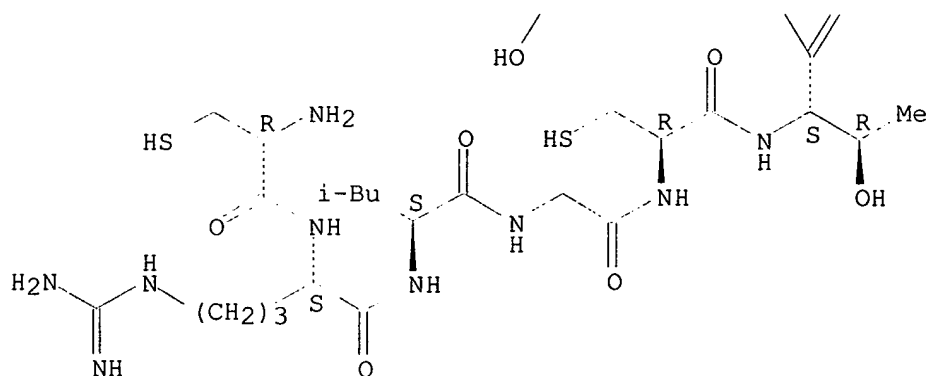
PAGE 1-B



PAGE 1-C



PAGE 2-A



PAGE 2-B



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil capl uspatf toxcenter; s 13

~~FILE CAPLUS~~ ENTERED AT 13:37:38 ON 18 FEB 2005

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~~FILE TOXCENTER~~ ENTERED AT 13:37:38 ON 18 FEB 2005

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~~14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100~~

=> dup rem 14

PROCESSING COMPLETED FOR L4

L5 4 DUP REM L4 (2 DUPLICATES REMOVED)  
 ANSWERS '1-2' FROM FILE CAPLUS  
 ANSWERS '3-4' FROM FILE USPATFULL

=&gt; d ibib ed abs hitrn 1-4

L5 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1  
 ACCESSION NUMBER: 2002:171945 CAPLUS  
 DOCUMENT NUMBER: 136:221698  
 TITLE: Adhesive protein and uses thereof  
 INVENTOR(S): Olsson, Per-erik; Jass, Jana; Jones, Iwan; Jakobsson, Staffan; Borg, Bertil  
 PATENT ASSIGNEE(S): Aquabiol Hb, Swed.  
 SOURCE: PCT Int. Appl., 45 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002018433	A1	20020307	WO 2001-SE1853	20010831
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001082818	A5	20020313	AU 2001-82818	20010831
US 2004072183	A1	20040415	US 2003-363485	20030825
PRIORITY APPLN. INFO.:				
			SE 2000-3099	A 20000901
			US 2000-229865P	P 20000901
			WO 2001-SE1853	W 20010831
ED Entered STN: 08 Mar 2002				
AB An adhesive protein, present inter alia in the stickleback nest-building glue has now been isolated and purified. Its amino acid sequence and corresponding coding polynucleotide sequences are isolated and sequenced. The protein finds both medical and tech. uses. whereas both the protein and the polynucleotide sequence can be used in analyses, determining the presence and influence of androgenic substances, for example androgenic pollutants, present in the aquatic environment.				
IT 402476-67-9				
RL: PRP (Properties)				
(unclaimed sequence; adhesive protein and uses thereof)				
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2  
 ACCESSION NUMBER: 2001:935665 CAPLUS  
 DOCUMENT NUMBER: 136:68714  
 TITLE: Peptide and polypeptide inhibitors of complement C1s  
 INVENTOR(S): West, Robert R.; Sheppard, Paul O.; Fox, Brian A.  
 PATENT ASSIGNEE(S): Zymogenetics, Inc., USA  
 SOURCE: PCT Int. Appl., 99 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001098365	A2	20011227	WO 2001-US19405	20010618
WO 2001098365	A3	20030703		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2413830	AA	20011227	CA 2001-2413830	20010618
AU 2001082857	A5	20020102	AU 2001-82857	20010618
US 2002102256	A1	20020801	US 2001-883727	20010618
EP 1349874	A2	20031008	EP 2001-961606	20010618
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, CY, TR				

## PRIORITY APPLN. INFO.:

US 2000-212998P	P	20000621
WO 2001-US19405	W	20010618

ED Entered STN: 28 Dec 2001

AB The complement system plays an important role in providing resistance to infections and in the pathogenesis of tissue injury. Yet an inappropriate activation of complement can result in a variety of disorders. The present invention provides C1s catalytic site-directed moieties, C1s exosite binding moieties, and bivalent polypeptide inhibitors comprising such moieties, which can be used to treat conditions characterized by inappropriate complement activation.

IT **383416-88-4**

RL: DGN (Diagnostic use); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(peptide and polypeptide inhibitors of complement C1s for diagnosis and therapy)

L5 ANSWER 3 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2004:94731 USPATFULL  
TITLE: Adhesive protein and uses thereof  
INVENTOR(S): Olsson, Per-Erik, Orebro, SWEDEN  
Jaas, Jana, Orebro, SWEDEN  
Jones, Iwan, New York, NY, UNITED STATES  
Jakobsson, Staffan, Akersberga, SWEDEN  
Borg, Bertil, Taby, SWEDEN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004072183	A1	20040415
APPLICATION INFO.:	US 2003-363485	A1	20030825 (10)
	WO 2001-SE1853		20010831

	NUMBER	DATE
PRIORITY INFORMATION:	SE 2000-3099	20000901
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Michael R Ward, Morrison & Foerster, 425 Market Street, San Francisco, CA, 94105-2482	
NUMBER OF CLAIMS:	34	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	6 Drawing Page(s)	

LINE COUNT: 1241

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An adhesive protein, present inter alia in the stickleback nest building glue has now been isolated and purified. Its amino acid sequence and corresponding coding polynucleotide sequences are isolated and sequenced. The protein finds both medical and technical uses, whereas both the protein and the polynucleotide sequence can be used in analyses, determining the presence and influence of androgenic substances, for example androgenic pollutants, present in the aquatic environment.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 402476-67-9

(unclaimed sequence; adhesive protein and uses thereof)

L5 ANSWER 4 OF 4 USPATFULL on STN

ACCESSION NUMBER: 2002:191193 USPATFULL

TITLE: Peptide and polypeptide inhibitors of complement C1s

INVENTOR(S): West, Robert R., Seattle, WA, UNITED STATES

Sheppard, Paul O., Granite Falls, WA, UNITED STATES

Fox, Brian A., Seattle, WA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002102256	A1	20020801
APPLICATION INFO.:	US 2001-883727	A1	20010618 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-212998P	20000621 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Phillip B.C. Jones, J.D., Ph.D., ZymoGenetics, Inc., 1201 Eastlake Avenue East, Seattle, WA, 98102	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
LINE COUNT:	2867	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The complement system plays an important role in providing resistance to infections and in the pathogenesis of tissue injury. Yet an inappropriate activation of complement can result in a variety of disorders. The present invention provides C1s catalytic site-directed moieties, C1s exosite binding moieties, and bivalent polypeptide inhibitors comprising such moieties, which can be used to treat conditions characterized by inappropriate complement activation.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 383416-88-4

(peptide and polypeptide inhibitors of complement C1s for diagnosis and therapy)

=> => fil hom

FILE 'HOME' ENTERED AT 13:39:49 ON 18 FEB 2005

=>



=> fil reg; d que l2; fil capl; d que l22; d que l19; fil uspatf; d que l26  
~~FILE 'REGISTRY'~~ ENTERED AT 14:05:59 ON 18 FEB 2005  
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Experimental and calculated property data are now available. For more  
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to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

~~L2~~ 9386 SEA FILE=REGISTRY ABB=ON C..C...C.{10-12}C...C...C|[YF]..C...C  
..{10-12}C...C...[YF]|C...C.{10-12}C...C/SQSP

*motif 1 or motif 2 or  
motif 3 "comprising"*

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FILE COVERS 1907 - 18 Feb 2005 VOL 142 ISS 9  
FILE LAST UPDATED: 17 Feb 2005 (20050217/ED)

This file contains CAS Registry Numbers for easy and accurate  
substance identification.

'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

L2 9386 SEA FILE=REGISTRY ABB=ON C..C...C.{10-12}C...C...C|[YF]..C...C  
..{10-12}C...C...[YF]|C...C.{10-12}C...C/SQSP  
L6 3658 SEA FILE=CAPLUS ABB=ON L2  
L14 89604 SEA FILE=CAPLUS ABB=ON ANTIMICROB?/OBI OR ANTIBACTER?/OBI  
L15 55 SEA FILE=CAPLUS ABB=ON L6 AND L14  
L16 46 SEA FILE=CAPLUS ABB=ON L15 AND P/DT  
L22 0 SEA FILE=CAPLUS ABB=ON L16 NOT AY>1996 ~

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L18     9 SEA FILE=CAPLUS ABB=ON L15 NOT L16
L19     1 SEA FILE=CAPLUS ABB=ON L18 NOT PY>1996

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FILE 'USPATFULL' ENTERED AT 14:06:00 ON 18 FEB 2005  
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 17 Feb 2005 (20050217/PD)  
 FILE LAST UPDATED: 17 Feb 2005 (20050217/ED)  
 HIGHEST GRANTED PATENT NUMBER: US6857132  
 HIGHEST APPLICATION PUBLICATION NUMBER: US2005039239  
 CA INDEXING IS CURRENT THROUGH 17 Feb 2005 (20050217/UPCA)  
 ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 17 Feb 2005 (20050217/PD)  
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2004  
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2004

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>>> USPAT2 is now available.  USPATFULL contains full text of the    <<<
>>> original, i.e., the earliest published granted patents or        <<<
>>> applications.  USPAT2 contains full text of the latest US        <<<
>>> publications, starting in 2001, for the inventions covered in    <<<
>>> USPATFULL.  A USPATFULL record contains not only the original   <<<
>>> published document but also a list of any subsequent             <<<
>>> publications.  The publication number, patent kind code, and    <<<
>>> publication date for all the US publications for an invention   <<<
>>> are displayed in the PI (Patent Information) field of USPATFULL <<<
>>> records and may be searched in standard search fields, e.g., /PN, <<<
>>> /PK, etc.                                                         <<<

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>>> USPATFULL and USPAT2 can be accessed and searched together      <<<
>>> through the new cluster USPATALL.  Type FILE USPATALL to        <<<
>>> enter this cluster.                                              <<<
>>>                                                                    <<<
>>> Use USPATALL when searching terms such as patent assignees,     <<<
>>> classifications, or claims, that may potentially change from   <<<
>>> the earliest to the latest publication.                          <<<

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This file contains CAS Registry Numbers for easy and accurate  
 substance identification.

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        .{10-12}C...C...[YF]|C...C.{10-12}C...C/SQSP
L23     1023 SEA FILE=USPATFULL ABB=ON L2
L24     10772 SEA FILE=USPATFULL ABB=ON (ANTIMICROB? OR ANTIBACTER?)/IT
L25     33 SEA FILE=USPATFULL ABB=ON L23 AND L24
L26     1 SEA FILE=USPATFULL ABB=ON L25 NOT AY>1996

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=> dup rem 119,126

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 PROCESSING COMPLETED FOR L19  
 PROCESSING COMPLETED FOR L26

~~1-27~~ ~~2 DUP REM L19 L26 (0 DUPLICATES REMOVED)~~

ANSWER '1' FROM FILE CAPLUS

ANSWER '2' FROM FILE USPATFULL

~~=>deleted abs hit n 1-2~~

L27 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1992:608813 CAPLUS

DOCUMENT NUMBER: 117:208813

TITLE: Engineering dehydrated amino acid residues in the  
**antimicrobial** peptide nisin

AUTHOR(S): Kuipers, Oscar P.; Rollema, Harry S.; Yap, Wyanda M.  
 G. J.; Boot, Hein J.; Siezen, Roland J.; De Vos,  
 Willem M.

CORPORATE SOURCE: Dep. Biophys. Chem., Netherlands Inst. Dairy Res.,  
 Ede, 6710 BA, Neth.

SOURCE: Journal of Biological Chemistry (1992), 267(34),  
 24340-6

CODEN: JBCHA3; ISSN: 0021-9258

DOCUMENT TYPE: Journal

LANGUAGE: English

ED Entered STN: 28 Nov 1992

AB The small antimicrobial peptide nisin, produced by *Lactococcus lactis*, contains the uncommon amino acid residues dehydroalanine and dehydrobutyrine and 5 thio ether bridges. Since these structures are posttranslationally formed from Ser, Thr, and Cys residues, it is feasible to study their role in nisin function and biosynthesis by protein engineering. This report describes the development of an expression system for mutated nisin Z (nisZ) genes, using nisin A-producing *L. lactis* as a host. Replacement by site-directed mutagenesis of the Ser-5 codon in nisZ by a Thr codon, led to a mutant with a dehydrobutyrine instead of a dehydroalanine residue at position 5, as shown by NMR. Its antimicrobial activity was 2-10-fold lower relative to wild-type nisin Z, depending on the indicator strain used. In another mutagenesis study a double mutation was introduced in the nisZ gene by replacing the codons for Met-17 and Gly-18 by codons for Gln and Thr, resp., as in the 3rd lanthionine ring of the related antimicrobial peptide subtilin from *Bacillus subtilis*. This resulted in the simultaneous production of 2 mutant species, 1 containing a Thr residue and the other containing a dehydrobutyrine residue at position 18, both having different bactericidal properties.

IT ~~144307=02=8P~~ ~~144307=03=9P~~ *sequences printed beginning on pg 13*

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and **antimicrobial** activity of)

L27 ANSWER 2 OF 2 USPATFULL on STN

ACCESSION NUMBER: 1999:72565 USPATFULL

TITLE: Cyclic peptides having broad spectrum antimicrobial activity

INVENTOR(S): Chang, Conway, San Francisco, CA, United States  
 Gu, Leo, Saratoga, CA, United States  
 Chen, Jie, Belmont, CA, United States

PATENT ASSIGNEE(S): IntraBiotics Pharmaceuticals, Inc., Mountain View, CA,  
 United States (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 5916872 19990629  
APPLICATION INFO.: US 1996-685589 19960724 (8)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Tsang, Cecilia J.  
ASSISTANT EXAMINER: Jameison, Fabian  
LEGAL REPRESENTATIVE: Pennie & Edmonds LLP  
NUMBER OF CLAIMS: 18  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 9 Drawing Figure(s); 4 Drawing Page(s)  
LINE COUNT: 4404

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides cyclic peptides having broad spectrum antimicrobial activity. The peptides exhibit improved efficacy, bioavailability and/or serum half-life as compared with non-cyclized analogues.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 202818-20-0P 202818-21-1P 202818-22-2P  
202818-26-6P 202818-27-7P

(preparation of cyclic peptides having broad spectrum antimicrobial activity)

=> => fil reg

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STRUCTURE FILE UPDATES: 16 FEB 2005 HIGHEST RN 832673-31-1

DICTIONARY FILE UPDATES: 16 FEB 2005 HIGHEST RN 832673-31-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s 202818-20-0 or 202818-21-1 or 202818-22-2 or 202818-26-6 or 202818-27-7 or 144307-02-8 or 144307-03-9

1 202818-20-0  
(202818-20-0/RN)  
1 202818-21-1  
(202818-21-1/RN)  
1 202818-22-2  
(202818-22-2/RN)  
1 202818-26-6  
(202818-26-6/RN)  
1 202818-27-7  
(202818-27-7/RN)  
1 144307-02-8  
(144307-02-8/RN)

1 144307-03-9  
(144307-03-9/RN)

L28 7 202818-20-0 OR 202818-21-1 OR 202818-22-2 OR 202818-26-6 OR  
202818-27-7 OR 144307-02-8 OR 144307-03-9

=> s l28 and l2

L29 7 L28 AND L2

=> d cn sql kwic nte l29-1-7; fil hom

L29 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2005 ACS on STN  
CN Cyclo(3-amino-L-alanyl-L-tyrosyl-L-cysteinyl-L-arginyl-L-seryl-L-arginyl-L-phenylalanyl-L-cysteinyl-L-valyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-cysteinyl-L-valylglycyl-L-tryptophyl-L-cysteinyl-L-leucyl), cyclic  
(3 $\rightarrow$ 8),(12 $\rightarrow$ 16)-bis(disulfide) (9CI) (CA INDEX NAME)

SQL 17

RN ~~202818-27-7~~ REGISTRY

SEQ 1 RFCVDYCVGW CLXYCRS

=====

HITS AT: 1-15, 3-17

NTE ~~cyclic~~

type	location	description
bridge	Cys-3 - Cys-15	disulfide bridge
bridge	Cys-7 - Cys-11	disulfide bridge
uncommon	Dpr-13 -	-

L29 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2005 ACS on STN  
CN Cyclo(3-amino-L-alanyl-L-tyrosyl-L-cysteinyl-L-valyl-L-arginyl-L-arginyl-L-phenylalanyl-L-cysteinyl-L-valyl-L- $\alpha$ -aspartyl-L-tyrosyl-L-cysteinyl-L-valylglycyl-L-tryptophyl-L-cysteinyl-L-leucyl), cyclic  
(3 $\rightarrow$ 8),(12 $\rightarrow$ 16)-bis(disulfide) (9CI) (CA INDEX NAME)

SQL 17

RN ~~202818-26-6~~ REGISTRY

SEQ 1 RRFCVDYCVG WCLXYCV

=====

HITS AT: 1-16, 4-17

NTE ~~cyclic~~

type	location	description
bridge	Cys-4 - Cys-16	disulfide bridge
bridge	Cys-8 - Cys-12	disulfide bridge
uncommon	Dpr-14 -	-

L29 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2005 ACS on STN  
CN Cyclo(L-arginyl-L-prolyl-L-phenylalanyl-L-cysteinyl-L-valyl-L-seryl-L-tyrosyl-L-cysteinyl-L-valyl-L-arginyl-L-tryptophyl-L-phenylalanyl-L-cysteinyl-L-leucyl-L-arginyl-L-tyrosyl-L-cysteinyl), cyclic  
(4 $\rightarrow$ 17),(8 $\rightarrow$ 13)-bis(disulfide) (9CI) (CA INDEX NAME)

SQL 17

RN ~~202818-22-2~~ REGISTRY

SEQ 1 RPFCVSYCVR WFCLRYC

=====

HITS AT: 1-8, 4-17

NTE ~~cyclic~~

type	-----	location	-----	description
bridge	Cys-4	-	Cys-17	disulfide bridge
bridge	Cys-8	-	Cys-13	disulfide bridge

L29 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2005 ACS on STN  
 CN Cyclo(L-arginyl-D-arginyl-L-phenylalanyl-L-cysteinyl-L-valyl-L-arginyl-L-phenylalanyl-L-cysteinyl-L-leucyl-L-tryptophyl-L-phenylalanyl-L-cysteinyl-L-leucyl-L-arginyl-L-tyrosyl-L-cysteinyl), cyclic  
 (4→16), (8→12)-bis(disulfide) (9CI) (CA INDEX NAME)  
 SQL 16  
 RN 202818-21-1 REGISTRY

SEQ 1 RRFCVRFCLW FCLRYC  
 =====

HITS AT: 1-12, 4-16

NTE cyclic

type	-----	location	-----	description
bridge	Cys-4	-	Cys-16	disulfide bridge
bridge	Cys-8	-	Cys-12	disulfide bridge

L29 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2005 ACS on STN  
 CN Cyclo(L-arginyl-L-arginyl-L-arginyl-L-phenylalanyl-L-cysteinyl-L-valyl-L-arginyl-L-phenylalanyl-L-cysteinyl-L-leucyl-L-tryptophyl-L-phenylalanyl-L-cysteinyl-L-leucyl-L-arginyl-L-tyrosyl-L-cysteinyl), cyclic  
 (5→17), (9→13)-bis(disulfide) (9CI) (CA INDEX NAME)  
 SQL 17  
 RN 202818-20-0 REGISTRY

SEQ 1 RRRFCVRFCL WFCLRYC  
 =====

HITS AT: 1-13, 5-17

NTE cyclic

type	-----	location	-----	description
bridge	Cys-5	-	Cys-17	disulfide bridge
bridge	Cys-9	-	Cys-13	disulfide bridge

L29 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2005 ACS on STN  
 CN Nisin Z, 17-L-glutamine-18-L-threonine- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 1-Thia-4,7,10,13,16,19-hexaazacyclodocosane, cyclic peptide deriv.  
 CN 1-Thia-4,7,10,13-tetraazacyclohexadecane, cyclic peptide deriv.  
 CN 1H,9H-Pyrrolo[2,1-i][1,4,7,10]thiatriazacyclotridecine, cyclic peptide deriv.  
 CN 9,19-Dithia-2,5,13,16,22-pentaazabicyclo[9.9.2]docosane, cyclic peptide deriv.  
 CN Nisin, 17-L-glutamine-18-L-threonine-27-L-asparagine-  
 SQL 34  
 RN 144307-03-9 REGISTRY

SEQ 1 IXCIALCCPG CKCGALQTCN MKCACCNC SI HVAK  
 =====

HITS AT: 3-23

NTE modified (modifications unspecified)

type	-----	location	-----	description
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-----
bridge      Cys-3      - Cys-7      sulfide bridge
bridge      Cys-8      - Cys-11     sulfide bridge
bridge      Cys-13     - Cys-19     sulfide bridge
bridge      Cys-23     - Cys-26     sulfide bridge
bridge      Cys-25     - Cys-28     sulfide bridge
uncommon    Abu-2      -            -
stereo      Cys-3      -            D
stereo      Cys-8      -            D
stereo      Cys-23     -            D
stereo      Cys-25     -            D
-----

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L29 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2005 ACS on STN  
 CN Nisin Z, 5-(2,3-didehydro-2-aminobutanoic acid)- (9CI) (CA INDEX NAME)  
 OTHER CA INDEX NAMES:  
 CN 1-Thia-4,7,10,13,16,19-hexaazacyclodocosane, cyclic peptide deriv.  
 CN 1-Thia-4,7,10,13-tetraazacyclohexadecane, cyclic peptide deriv.  
 CN 1H,9H-Pyrrolo[2,1-i][1,4,7,10]thiatriazacyclotridecine, cyclic peptide  
 deriv.  
 CN 9,19-Dithia-2,5,13,16,22-pentaazabicyclo[9.9.2]docosane, cyclic peptide  
 deriv.  
 CN Nisin, 5-(2,3-didehydro-2-aminobutanoic acid)-27-L-asparagine-  
 SQL 34  
 RN ~~144307=02-8~~ REGISTRY

SEQ 1 IXCIXLCCPG CKCGALMGCN MKCACCNC SI HVXK

HITS AT: 3-23

NTE modified (modifications unspecified)

```

-----
type      ----- location -----      description
-----
bridge      Cys-3      - Cys-7      sulfide bridge
bridge      Cys-8      - Cys-11     sulfide bridge
bridge      Cys-13     - Cys-19     sulfide bridge
bridge      Cys-23     - Cys-26     sulfide bridge
bridge      Cys-25     - Cys-28     sulfide bridge
uncommon    Abu-2      -            -
uncommon    Abu-5      -            -
uncommon    Abu-33     -            -
stereo      Cys-3      -            D
stereo      Cys-8      -            D
stereo      Cys-23     -            D
stereo      Cys-25     -            D
-----

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FILE 'HOME' ENTERED AT 14:08:34 ON 18 FEB 2005

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